



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

: Attn: APPLICATION BRANCH

Masayuki SAITO

: Docket No. 2003-1526A

Serial No. 10/697,879

:

Filed October 31, 2003

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LIQUID CRYSTAL COMPOSITION AND  
LIQUID CRYSTAL DISPLAY ELEMENT

:

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEE FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975.

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of [X] the references listed on attached form PTO-1449 and/or [] the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 is enclosed.

1a. [X] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.


3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☒ the concise explanation contained in the specification of the present application at page 4,
  - d. ☒ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.
6. ☒ Comments:

The disclosure on page 4 of the present specification cites several Japanese references. Copies of two of these references (JP '482 and JP '127) are enclosed along with English abstracts thereof. These two references do not have a U.S. or EP family member. The other Japanese references cited on page 4 do have U.S. or EP family members, as indicated by the attached list (13 pages) of family members. These family members are cited on the attached PTO-1449 form, along with the JP '482 and JP '127 references.

Respectfully submitted,

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January 30, 2004

FORM PTO 1449 (modified)

ATTY DOCKET NO.  
2003-1526ASERIAL NO.  
10/697,879U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: January 30, 2004

APPLICANT  
Masayuki SAITOFILING DATE  
October 31, 2003

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,399,163	6/2002	Tomi et al.			
	AB	6,315,922	11/2001	Takeshita et al.			
	AC	6,497,929	12/2002	Miyairi et al.			
	AD	2002/0066887	6/2002	Yanai et al.			
	AE	2002/0047103	4/2002	Sagou et al.			
	AF	2002/0033472	3/2002	Kato et al.			
	AG	5,032,313	7/1991	Goto et al.			
	AH	5,618,466	4/1997	Tomi et al.			
	AI	5,645,759	7/1997	Tomi et al.			
	AJ	5,961,881	10/1999	Andou et al.			
	AK	6,007,740	12/1999	Andou et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AL	10-231482	9/1998	Japan				
	AM	10-298127	11/1998	Japan				
	AN	1 160 250	12/2001	Europe				
	AO							
	AP							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	
	AR	

EXAMINER

DATE CONSIDERED